

## General microbiology

- ① Bacterial spore ③
- ② Bacterial growth curve ③
- ③ Autoclave ③
- ④ Difference b/w mutational & transferable drug resistance ③
- ⑤ Factors predisposing to microbial pathogenicity ④
- ⑥ Bacterial cell wall ③
- ⑦ Hospital waste disposal ③
- ⑧ Polymerase chain reaction ③
- ⑨ Genetic mechanism of drug Resistance ③
- ⑩ Enumerate wet heat methods of sterilization and describe autoclave ③
- ⑪ Fimbria of bacteria ②
- ⑫ Transduction ③
- ⑬ sterilization by filtration method
- ⑭ Edward Jenner ②
- ⑮ plasmid ③
- ⑯ various modes of microbial infection ③
- ⑰ hot air oven ③
- ⑱ Aldehyde as a disinfectant ②

## Bacteriology

- ① staphylococcal food poisoning ④
- ② Anthrax ③
- ③ Atypical Mycobacterium ③
- ④ Gas gangrene ③
- ⑤ chlamydia trachomatis ③
- ⑥ Enumerate bacterial causes of diarrhoea. Describe the lab. diagnosis of cholera ⑧
- ⑦ Coagulase negative staphylococci ②
- ⑧ lab. diagnosis of enteric fever ③
- ⑨ TRIC agents ③
- ⑩ X + V factor ③
- ⑪ Nocardia ②
- ⑫ Describe pathogenesis, lab. diagnosis & prophylaxis of cholera ⑧
- ⑬ MRSA ②
- ⑭ Nagler's Reaction ③
- ⑮ mycoplasma pneumoniae
- ⑯ Enumerate the bacteria causing sore throat. Discuss lab. diagnosis of sore throat ⑧
- ⑰ lab. diagnosis of pulmonary TB ③
- ⑱ Salmonella septicemia & gastroenteritis ③

(19) Brucellosis ③

(20) whooping cough ③

(21) Define STD. Enumerate bacterial causes of it & discuss lab. diagnosis + syphilis ⑧

(22) Enteric fever ③

(23) Mycobacterium avium complex ③

(24) Vincent's Angina ②

(25) Actinomycosis ②

(26) Define meningitis. Enumerate bacteria causing it & discuss lab. diagnosis + *H. influenzae* ⑧

(27) Lab. diagnosis + Gonorrhoea ③

(28) Helicobacter pylori ③

(29) Diarrhoeagenic *E. coli* ③

(30) Brucellosis ③

(31) Clarify Mycobacteria & discuss lab. diagnosis of pulmonary TB ⑥

(32) Antigenic structure of streptococcal pyogenes ③

(33) write classification & spirochaetes. Discuss pathogens and lab. diagnosis & *Treponema pallidum* ⑦

(34) Discuss morphology of various culture media for isolation of *Vibrio cholera* ⑤

(35) Define & enumerate causes of Pyogenic meningitis. Discuss lab. diagnosis of H. influenzae (8)

### Mycology

- ① classification of fungi morphologically (3)
- ② Histoplasmosis (3)
- ③ Dermatophytosis (3)
- ④ Pneumocytosis (3)
- ⑤ Mycetoma (3)
- ⑥ Candidiasis (3)
- ⑦ cryptococcosis (4)
- ⑧ Aspergillosis (3)
- ⑨ Rhinosporidiosis (3)

## Immunology

- ① Define agglutination reaction. Discuss the principle and applications of agglutination reaction ⑥
- ② cytokines ③
- ③ IgE ③
- ④ Indirect Immunofluorescence test ③
- ⑤ Immunochromatography ③
- ⑥ IgM ③
- ⑦ ELISA ③
- ⑧ Type - II hypersensitivity reaction ③
- ⑨ Type - I hypersensitivity reaction ③
- ⑩ Immunofluorescence ③
- ⑪ Mechanism of autoimmunity ③
- ⑫ IgA ②
- ⑬ T- lymphocyte ②
- ⑭ Enumerate various antigen - antibody reactions. Describe complement fixation test ⑤

## Virology

- ① Inclusion body ③
- ② HSV - I ②
- ③ Hepatitis A virus ③
- ④ Prophylaxis of polio virus ②
- ⑤ Rabies ⑤
- ⑥ Rota virus ⑤
- ⑦ Detection of viral growth of cell culture ③
- ⑧ EBV ③
- ⑨ Lab. diagnosis of HIV infection ③
- ⑩ Enumerate the viruses causing hemorrhagic fevers & discuss EBOLA virus ⑧
- ⑪ Prophylaxis of viral disease ②
- ⑫ Antigenic variation in influenza viruses ②
- ⑬ oncogenic virus ⑤
- ⑭ Japanese encephalitis ②
- ⑮ Discuss morphology of HIV & lab. diagnosis of HIV infection. Enumerate various opportunistic infections in HIV patients ⑧
- ⑯ cell culture ③
- ⑰ Herpes simplex virus - 2 ③

(18) Dengue haemorrhagic fever (2)

(19) Non- neural vaccine of rabies (2)

(20) Discuss strategies of HIV testing & post exposure prophylaxis after HIV infected needle stick injury (6)

(21) chick embryo for virus isolation (2)

(22) Post exposure prophylaxis for HBV in health care workers (2)

(23) Draw a labelled diagram of HIV - I (2)

(24) Sexually transmitted viral infection (2)

(25) Double stranded (ds) RNA virus (2)

(26) Enumerate arthropod borne infection & describe dengue virus (8)

(27) prions (2)

(28) Varicella zoster virus (VZV) (2)

(29) swine flu (2)

(30) Enumerate viruses causing hepatitis & discuss lab. diagnosis of hepatitis B virus (8)

(31) Draw labelled diagram of influenzae virus (2)

(32) Hepatitis C virus (2)

(33) Non- neural vaccine of rabies (2)

34 Interferons (2)

35 polio vaccine (2)

36 measles (2)

37 Dengue (2)

38 Define septic meningitis. Enumerate the causative agents & discuss its lab. diagnosis (8)

39 Cytomegalovirus (cmv) (3)

40 prophylaxis of HBV virus (3)

41 Enumerate virus causing encephalitis & discuss their lab. diagnosis. (8)

## Parasitology

- ① lab. diagnosis of malaria ④
- ② Trichomonas vaginalis ③
- ③ Hydatid cyst ③
- ④ larva migrans ④
- ⑤ life cycle of malaria parasite diagram only ③
- ⑥ clinical disease & lab. diagnosis of Echinococcus granulosus ③
- ⑦ pathogenicity of schistosomes ②
- ⑧ occult filariasis, current filariasis situation & its control ③
- ⑨ pathogenicity & lab. diagnosis of Entamoeba histolytica ④
- ⑩ cysticercus cellulosae ③
- ⑪ hepatic amoebiasis ③
- ⑫ post kala-azar dermal leishmaniasis ②
- ⑬ cerebral malaria ②
- ⑭ cutaneous larva migrans ②
- ⑮ lab. diagnosis & control of filariasis ③
- ⑯ Giardia lamblia ③
- ⑰ pernicious malaria ③
- ⑱ life cycle of toxoplasma gondii (diagram only) ③
- ⑲ katayama fever ②

- ②① pathogenicity of ascaris lumbricoides ②
- ②① Hymenolepis nana ④
- ②② lab. diagnosis of Toxo - Plamosis ③
- ②③ life cycle of strongyloides stercoratus ③
- ②④ life cycle & pathogenesis of cryptosporidium parvum ③
- ②⑤ Enterobius vermicularis ④
- ②⑥ General characters & pathogenesis of schistosomes ③

## General Pathology

- ① How are free radicals generated within cells?  
write briefly about their pathologic effects (5)
- ② Reactive systemic amyloidosis (2.5)
- ③ pathway through which cancer spread (2.5)
- ④ Granulomatous inflammation (2.5)
- ⑤ metaplasia (2.5)
- ⑥ Tumor marker & their utility (2.5)
- ⑦ Neoplasms in patient with systemic infection (2.5)
- ⑧ Discuss oncogenesis (5)
- ⑨ Difference between — (2.5)
  - a) Dry & wet gangrene
  - b) primary & secondary tuberculosis
  - c) Benign & malignant tumors
  - d) necrosis & apoptosis
  - e) Granuloma & granulation tissue
  - f) Transudate & exudate
  - g) primary & secondary intention of healing
  - h) white & red infarct
  - i) Dystrophic & metastatic calcification
  - j) Type I & Type III hypersensitivity reaction
  - k) primary & secondary amyloid
  - l) primary & secondary union of bone

(10) vascular events in acute inflammation (2.5)

(11) Type - I hypersensitivity reaction (2.5)

(12) Fatty change (2.5)

(13) Endogenous pigments (2.5)

(14) stain used to demonstrate amyloid (2.5)

(15) Define neoplasia. Discuss the role of viruses in human carcinogenesis. (5)

(16) What are the cardinal signs of inflammation? Describe the role of clinical mediators in inflammations (5)

(17) carcinoma in situ (2.5)

(18) Arthus reaction (2.5)

(19) Coagulative necrosis (2.5)

(20) Describe briefly chemical mediators of acute inflammation - Arachidonic acid metabolism (3)

(21) Haemopoietic derived pigments (3)

(22) Fat necrosis (2)

(23) pathogenesis of autoimmunity (3)

(24) Define inflammation. Describe vascular changes & cellular events in acute inflammation (5)

(25) pathogenesis of amyloidosis (2.5)

(26) Route of metastasis (2+5)

(27) Factor affecting healing (2+5)

(28) Phagocytosis (3)

(29) Virus in human cancer (3)

(30) Evolution of tubercle (2)

(31) Free radicals mediated cell injury (3)

(32) Mechanism of invasion & metastasis (3)

## Hematology

- ① Define thrombosis. Enumerate components of Virchow's triad. Discuss fate of thrombus (5)
- ② Lab. diagnosis of hemolytic anemia (2.5)
- ③ Hemophilia - A (2.5)
- ④ Morphologic sub-types of Hodgkin's disease (2.5)
- ⑤ Lab diagnosis of Diabetes mellitus (2.5)
- ⑥ Renal function tests (2.5)
- ⑦ Red blood cell indices (2.5)
- ⑧ Define macrocytosis. write briefly on the approach of to diagnose megaloblastic anemia (2+3)
- ⑨ Lab. diagnosis of  $\beta$ - thalassemia (2.5)
- ⑩ Aplastic Anemia (2.5)
- ⑪ Brown induration of lung (2.5)
- ⑫ Acute lymphoid leukemia (2.5)
- ⑬ Hemophilia (2.5) + lab. diagnosis
- ⑭ FNAC - Fine Needle Aspiration Cytology (2.5)
- ⑮ Discuss aetiopathogenesis, clinical features & lab diagnosis of megaloblastic anemia (5)
- ⑯ F.A+B. classification of acute myeloid leukemia (2.5)
- ⑰ Leukamoid Reaction (2.5)

(18) Blood & bone marrow finding in iron deficiency anemia (2.5)

(19) Air embolism (2.5)

(20) Fate of thrombus (2.5)

(21) Exfoliative cytology (2.5)

(22) Define & classify types of anemia. Describe laboratory diagnosis of thalassemia major (5)

(23) Pancytopenia (2.5)

(24) Immune thrombocytopenic purpura (2.5)

(25) Blood transfusion - its indications & complications (2.5)

(26) CSF finding in pyogenic meningitis (2.5)

(27) Papancolaou technique (2.5)

(28)  $\dagger$  Hemolytic disease of new born (2.5)

(29) Define thrombosis. Discuss its etiopathogenesis & complications (5)

(30) Peripheral blood finding in iron deficiency anemia (2.5)

(31) Burkitt's lymphoma (2.5)

(32) Infarction (2.5)

(33) Cyto-diagnosis of cancer (2.5)

(34) Diff b/w leukamoid Reaction & CML (2)

(35) Pathophysiology of stroke (3)

## Systemic

- ① Etiology of nephrotic syndrome - 9+5 pathogenesis & lab diagnosis (5)
- ② Pathogenesis of colorectal carcinoma (2.5)
- ③ Portal hypertension (2.5)
- ④ Acute pancreatitis (2.5)
- ⑤ Dysgerminoma (2.5)
- ⑥ Staging of carcinoma breast (2.5)
- ⑦ Nodular hyperplasia of prostate
- ⑧ Describe autopsy finding in a patient dying of uncontrolled DM (5)
- ⑨ Klinefelter's syndrome (2.5)
- ⑩ Differential diagnosis of vegetative endocarditis (2.5)
- ⑪ Pathogenesis of emphysema (2.5)
- ⑫ papillary carcinoma of thyroid (2.5)
- ⑬ osteogenic sarcoma (2.5)
- ⑭ meningioma (2.5)
- ⑮ Describe etiopathogenesis & pathology finding of colorectal carcinoma (5)
- ⑯ chronic cholecystitis (2.5)
- ⑰ pleomorphic adenoma (2.5)

(18) chronic hepatitis (2.5) + lab diagnosis + etiology

(19) urolithiasis (2.5)

(20) Benign prostatic hyperplasia (2.5)

(21) Predisposing factor of carcinoma colon (2.5)

(22) Describe autopsy finding in a patient dying of MI (5)

(23) Hashimoto's thyroiditis (2.5)

(24) Astrocytoma (2.5)

(25) chronic osteomyelitis (2.5)

(26) Pathogenesis of emphysema (2.5)

(27) classification of lung tumors (2.5)

(28) carcinoma in situ in breast (2.5)

(29) gall stone (2.5)

(30) ulcerative colitis (2.5) + morphology

(31) Autopsy finding in case of disseminated TB (5)

(32) Turner syndrome (2.5)

(33) Etiopathogenesis of rheumatic fever (2.5)

(34) Giant cell tumor (2.5)

(35) Granuloma (2.5)

(36) Pyogenic meningitis (2.5)

(37) Emphysema

(38) Classification of tumors of intestine. Describe etiopathogenesis of carcinoma of colon (5)

(39) Prognostic factor for carcinoma of breast (2.5)

(40) Wilms' tumors (2.5)

(41) Differentiating features of hereditary disorders of bilirubin metabolism (2.5)

(42) Autopsy finding in case of amyloidosis (5)

(43) Pathological changes in MI (2.5)

(44) Bronchioalveolar carcinoma (2.5)

(45) Primary hyperparathyroidism (2.5)

(46) osteomyelitis (2.5)

(47) Etiology + pathophysiology + lab. diagnosis of hepatocellular failure (5)

(48) membranous glomerulopathy (2.5)

(49) Classification of Salivary gland neoplasm (2.5)

(50) Pathogenesis of acute pancreatitis (2.5)

(51) Differentiating feature b/w Crohn's disease & tubercular enteritis (2.5)

(52) Endometrial hyperplasia (2.5)

(53) Mucinous neoplasm of ovary (2.5)

(54) Autopsy finding of rheumatic heart disease (5)

(55) complications of DM (2.5)

(56) pathogenesis of bronchiectasis (2.5)

(57) Ewing's sarcoma (2.5)

(58) dissecting aneurysm of aorta (2.5)

(59) etiopathogenesis + morphology different type of cholelithiasis (5)

(60) Teratoma of testis (2.5)

(61) renal papillary necrosis (2.5)

(62) lab. diagnosis of mal-absorption syndrome

(63) differentiat. — (2.5)

- (a) metastatic + primary carcinoma in liver
- (b) morphology + acute + chronic pancreatitis
- (c) morphology of chronic glomerulo-sclerosis + chronic pyelonephritis

(64) Autopsy finding + patient dying + multiple myeloma (5)

(65) fibrocystic disease of breast (2.5)

(66) classification of ovarian tumors (2.5)

(67)

## General pharmacology

- ① A partial agonist has a dual behaviour ②
- ② orphan drugs ②
- ③ Essential drugs ②
- ④ First pass metabolism (clinical significance) ②
- ⑤ Down regulation of receptor (clinical signif) ②
- ⑥ Plasma protein binding (clinical significance) ②
- ⑦ Drug delivery system with e.g. ②
- ⑧ effect of disease states on drug action (e.g) ②
- ⑨ pharmacovigilance with e.g. ②
- ⑩ Teratogenicity with e.g. ②
- ⑪ Plateau principle with e.g. ②
- ⑫ Enzyme induction & its clinical significance ②
- ⑬ combined use of drug with e.g. ②
- ⑭ Bioavailability with e.g. ②
- ⑮ Compliance to drug use with e.g. ②
- ⑯ Explain why some drug need a loading dose ②
- ⑰ physiological antagonism ②
- ⑱ Tachyphylaxis ②
- ⑲ volume of distribution (clinical significance) ②
- ⑳ pro-drug (clinical significance) ②
- ㉑ chemotherapy (clinical significance) ②
- ㉒ metabotropic Receptor [ $\text{G}$ -protein coupled receptor] ②

ANS

- ① Alpha-adrenergic blockers are given in pheochromocytoma
- ② metabotropic Receptor ②
- ③ mode of action & use of succinylcholine ②
- ④ Repeated administration of ephedrine cause tachyphylaxis
- ⑤ Myasthenia gravis pharmacotherapy ②
- ⑥ use of  $\alpha$ -adrenergic blockers drugs ②
- ⑦  $\beta$ - blockers are contraindicated in variant angina ②
- ⑧ Neostigmine is preferred over physostigmine in treatment of myasthenia gravis ②
- ⑨ Tamsulosin is preferred over prazosin in treatment of BPH ②
- ⑩ Escitalopram ②
- ⑪ Indication & contraindication for use of atropine ②
- ⑫ Role of pralidoxime in organophosphate poisoning ②
- ⑬ Centrally acting skeletal muscle relaxants ②
- ⑭ Pralidoxime is not effective in poisoning with carbamates anticholinesterase compound why? ②
- ⑮ patient suffering from myasthenia gravis should not be given aminoglycoside antibiotics why? ②
- ⑯ Tamsulosin ②
- ⑰ Antispasmodic Agents ②

CNS

- ① onset of therapeutic effect of anti-depressant drug may take several weeks. why? ②
- ② uses of antiepileptic drug other than their primary use ②
- ③ management of methanol poisoning ②
- ④ Bupivacaine ②
- ⑤ Dapsone is combined with rifampicin for the treatment of leprosy? why ②
- ⑥ Drug induced parkinsonism. briefly ②
- ⑦ Adverse effects of alprazolam ②
- ⑧ Atypical antipsychotics ②
- ⑨ Carbamazepine ②
- ⑩ Tramadol ②
- ⑪ Drug treatment of -
  - a) grand mal epilepsy
  - b) Drug induced parkinsonism
  - c) methyl alcohol poisoning
- ⑫ short note on -
  - a) morphine
  - b) clonazepam
  - c) venlafaxine

⑬ Drug treatment of -

- a) status epilepticus
- b) parkinsonism disease

⑭ short note on -

- a) Balanced Anesthesia
- b) Atypical antidepressant

⑮ Drug treatment -

- a) Drug induced parkinsonism
- b) opioid poisoning
- c) Acute mania

⑯ why diazepam is used for status epilepticus

⑰ mechanism of action, uses & side effect of -

- a) Lignocaine
- b) Diazepam

⑱ short note on -

- a) Thiopentone sodium
- b) Lamotrigine

⑲ write briefly -

- a) phenytoin
- b) Ketamine
- c) lithium

⑳ short note on -

- a) Tricyclic Antidepressant

## Endocrine pharmacology

- ① Propylthiouracil is preferred over carbimazole in thyroid storm. Why? (2) 345
- ② Dipeptidyl peptidase-4 [DPP-4] inhibition: write briefly (2) 348
- ③ GnRH analogue. Briefly explain (2) 347
- ④ Clomiphene [use + Adverse effect] (2) 34
- ⑤ Pharmacotherapy of thyrotoxicosis (2) 342
- ⑥ Selective estrogen receptor modulator (2) 355
- ⑦ Pharmacotherapy of Type-II DM (2)
- ⑧ " " Thyroid storm (2) 377
- ⑨ " " cardiogenic shock (2)
- ⑩ Post-coital contraceptive. Discuss briefly (2) 361
- ⑪ Anti-thyroid drug (2) 343
- ⑫ Pharmacotherapy of osteoporosis (2)
- ⑬ Metformin in diabetes mellitus. Discuss rationale (2)
- ⑭ short note on Rosiglitazone (2)
- ⑮ Propriofen in thyrotoxicosis (2)
- ⑯ Drug treatment of infertility (2)
- ⑰ Alendronate [Mode of action + Adverse effect + use] (2)
- ⑱ Insulin analogue. short note (2)

(19) Short note on metformin (1)  
• Hydrocortisone (2)

(20) Sildenafil is used in erectile dysfunction why (2)

(21) what happen if -  
a) mifepristone is given during 1<sup>st</sup> trimester of pregnancy (2)  
b) oxytocin is given to non-pregnant lady

(22) Rationale: Rosiglitazone in DM (2)

(23) short note: Non-contraceptive benefits of oral contraceptive

(24)

## Autacoids

- ① Why  $\text{N}$ -acetyl cysteine is useful in paracetamol poisoning?
- ② Ergot alkaloid should not be used in pregnant women? Why?
- ③ Pharmacotherapy of -  
Acute gout
- ④ pharmacological basis for use of -
  - a) Inhaled corticosteroid in asthma
  - b) Infliximab in rheumatoid arthritis
- ⑤ Pharmacotherapy of -  
a) Acute severe asthma
- ⑥ short note on -  
Leukotriene antagonists
- ⑦ short note on -  
Ergometrine
- ⑧ Why  $\beta$ -2 agonists and not glucocorticoids provide immediate relief in acute attack of asthma.
- ⑨ short note  $\rightarrow$   
Inhaled steroids

⑥ salmeterol is not effective in treatment of acute severe asthma why?

⑦ pharmacotherapy of -  
acute attack of migraine

⑧ mast cell stabilizer. short note.

⑨ adalizine is used for acute attack of graft why?  
why? sodium Cromoglicate is not used in acute attack of asthma

⑩ pharmacotherapy of -  
chronic persistent asthma

⑪ short shrive note on -  
mycophenotes.

⑫ Disease rational for using -  
Glucocorticoids as immunosuppressive

⑬ Ipratropium bromide is preferred over atropine for bronchial asthma why?

⑭ pharmacotherapy of status asthmatus

⑮ short notes on -  
a) 5- HT<sub>3</sub> antagonists  
b) cough suppressants

① pharmacotherapy of -

Inflammatory Bowel disease

② why lactulose is used in hepatic coma

③ Ranitidine is preferred over cimetidine in peptic ulcer ?

④ pharmacotherapy of -

Gastroesophageal reflux disease

⑤ short note on -

ter prokinetic agents.

⑥ short note -

a) stool softener.      c) Laxoperazide  
b) metoclopramide

⑦ omeprazole is not prescribed in patients taking warfarin why ?

⑧ pharmacotherapy of -

a) H. pylori infection      b) constipation

⑨ why antacids are not given along with sucralfate

⑩ proton pump Inhibitors short note

⑪ drug for peptic ulcer with pharmacological basis

⑫ why triple therapy is used for eradication of H. pylori.

- : forensic medicine :-

10 year

- ① Fabricating / Frictiting / Forged wound.
- ② Exit + Entry wound ✓
- ③ Pugilistic attitude (Boxing, femidin) or Dorsal attitude
- ④ Indian medical Council (IMC) act, 1956.
- ⑤ privileged communication.
- ⑥ Medical mal practise
- ⑦ professional negligence + infamous conduct / Ethical negligence
- ⑧ professional misconduct (infamous conduct)
- ⑨ penal erosion
- ⑩ professional + medical negligence.
- ⑪ Criminal negligence
- ⑫ Consent
- ⑬ MTP - 1971.
- ⑭ Court of law.
- ⑮ Dying Declaration
- ⑯ Testifying
- ⑰ sex from skeletal remain. (Sex Determination) ✓
- ⑱ Male + female sacrum ✓
- ⑲ Dactylography
- ⑳ Human + animal Hair. ✓
- ㉑ preservation of viscera.
- ㉒ Brain + Brain Stem Death
- ㉓ changes after Death.
- ㉔ suspended Animation.
- ㉕ postmortem staining / PN stain + Bruise. ✓
- ㉖ Estimation of time since death or postmortem interval.
- ㉗ Asphyxia
- ㉘ Hanging + pseudo strangulation. ✓
- ㉙ Cafe Coronary
- ㉚ Traumatic and erus Arthropgia.

One unit of  
ammunition.

1. Drowning

2. Dry Drowning

3. Injuries

4. Cartilage

5. Previous Hurt Injury

6. Sign of live birth.

7. Unrespired & respired lung (stillborn & liveborn)

8. Sign of still born fetus / sign of dead born fetus

9. Abortion

10. Still & Dead born fetus

11. Natural & Criminal abortion

12. Artificial insemination

13. AID & AIH.

14. Hymen

15. True & false virgin

16. positive / conclusive sign of pregnancy

17. Unnatural sexual offences

18. Bestiality / Zoosephilia

19. Artificial & true Bestiality

20. Impulse

21. Lucid interval

22. testamentary capacity

23. Criminal responsibility

24. H-L Aspects of Blood group / M-L of Blood group

25. poison

26. classification of poison

27. Mode of Administration

28. Duty of Doctor in Case of Suspected poisoning

29. Universal antidote

30. chelating agent

(64) Vitro logic ✓

(65) Antemortem & postmortem Bruise ✓

(66) True & artificial Bruise ✓

(67) Bruise & Hypostasis. ✓

(68) Male & female pelvis. ✓

(69) Male & female scrotum. ✓

(70) Dying Declaration & Dying Deposition. ✓

(71) Civil & criminal negligence. ✓

(72) Ethical & professional negligence. ✓

(73) Ideal Suicide & Homicidal poison. ✓

(74) True & feigned insanity. ✓

(75) Entry & Exit wound of firearm. ✓  
fire arm wound caused by rifle & shot gun. ✓

(76) Klinefelter & Turner syndrome. ✓

(77) Respired & unrespired lung in Dead brain. ✓

(78) Natural & criminal abortion. ✓

(79) Ligature mark of Hanging & strangulations. ✓

(80) strangulated & Drowning & asphyxia. ✓

(81) Artificial insemination Homologous & its donor. ✓

(82) Antemortem & postmortem Dissection. 168 part ✓

(83) Rifled & shot gun cartridge. ✓

(84) still born & live born infant. ✓

(85) poisonous & non-poisonous snake. ✓

(86) Rigor mortis & Cadaveric spasm. ✓

(87) Super foetation & Super fecundation. ✓

(88) Male & female scrotum. ✓

(89) Civil & criminal negligence. ✓

(90) Still birth & Dead birth. ✓

(91) Still birth & Dead birth. ✓

→ positive diagnosis  
→ true findings